



# DUPLEX RABBET & FILLISTER PLANE

**Model 90310**

## ASSEMBLY AND OPERATING INSTRUCTIONS



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For technical questions and replacement parts, please call 1-800-444-3353

## Specifications

Overall Dimensions	9-3/4" L x 4-1/8" W x 4-7/8" H
Plane Dimensions	9-3/4" L x 1-1/2" W x 4-3/8" H
Fence Dimensions (2)	1 @ 5-3/8" L x 1/2" H 1 @ 1-7/8" L x 3/8" H
Front Blade	1-1/2" W x 1/2" H
Rear Blade	4-1/16" L x 1-1/2" W x .08" Thick

## Save This Manual

You will need the manual for the safety warnings and precautions, assembly instructions, operating and maintenance procedures, parts list and diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep the manual and invoice in a safe and dry place for future reference.

## Safety Warnings and Precautions

**WARNING: When using tool, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.**

**Read all instructions before using this tool!**

1. **Keep work area clean.** Cluttered areas invite injuries.
2. **Observe work area conditions.** Do not use tools in damp or wet locations. Don't expose to rain. Keep work area well lighted.
3. **Keep children away.** Children must never be allowed in the work area. Do not let them handle tools.
4. **Store idle equipment.** When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
5. **Use the right tool for the job.** Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. There are certain applications for which this tool was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this tool and do not use this tool for a purpose for which it was not intended.
6. **Dress properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically non-conductive clothes and non-skid footwear are recommended when working. Wear restrictive hair covering to contain long hair.
7. **Use eye protection.** Always wear ANSI approved impact safety goggles. Wear a full face shield if you are producing metal filings or wood chips. Wear an ANSI approved dust mask or respirator when working around metal, wood, and chemical dusts and mists.
8. **Do not overreach.** Keep proper footing and balance at all times.

9. **Maintain tools with care.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. The handle must be kept clean, dry, and free from oil and grease at all times.
10. **Stay alert.** Watch what you are doing, use common sense. Do not operate any tool when you are tired.
11. **Take caution as some woods contain preservatives such as copper chromium arsenate (CCA) which can be toxic.** When cutting these materials extra care should be taken to avoid inhalation and minimize skin contact.
12. **Check for damaged parts.** Before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for any broken parts or mounting fixtures; and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician.
13. **Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this tool. Approved accessories are available from Harbor Freight Tools.
14. **Do not operate tool if under the influence of alcohol or drugs.** Read warning labels if taking prescription medicine to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the tool.
15. **Maintenance.** During periods of storage, coat the bare metal surfaces with light oil to inhibit rust.

**Warning:** The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

## **Unpacking**

When unpacking, check to make sure the parts shown on page 5 are included. If any parts are missing or broken, please call Harbor Freight Tools at the number on the cover of this manual as soon as possible.

**Warning!** Do not let the blades come in contact with your hands while planing or changing the blades. They are extremely sharp and will cause severe injury if contacted.

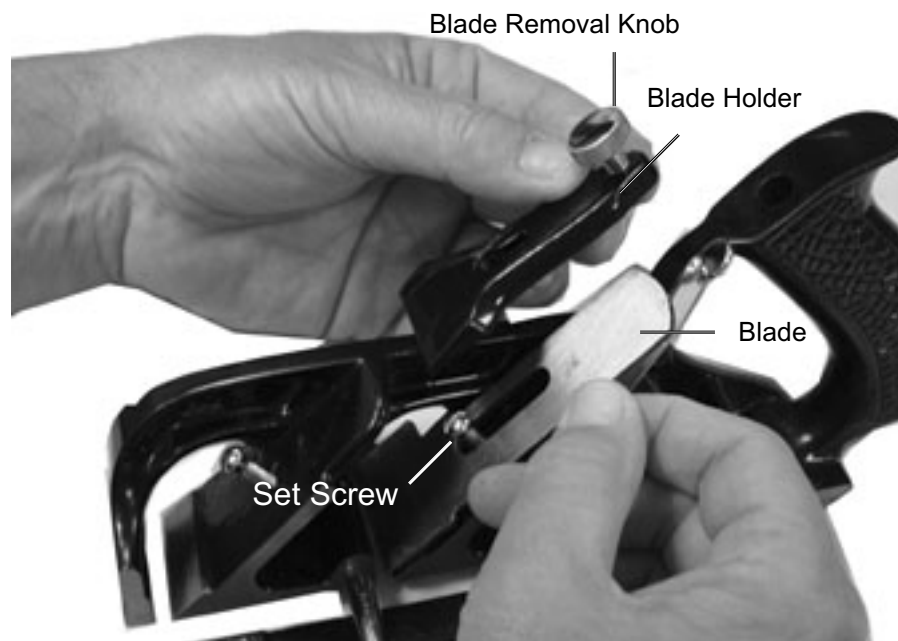
## Operation

Refer to the Assembly Drawing on page 5 and **FIGURE 1** below.

**Note:** The front blade (fillister) is stationary and the rear blade is movable and replaceable.

1. To change or replace Blades, turn the Blade Removal Knob (see below) counterclockwise and lift off the blade holder (see below). Set the Blade in so that it fits over the set screw and is properly aligned. Replace the Blade Holder and tighten the Blade Removal Knob.
2. Adjust the amount of blade you want to contact the workpiece by pressing the Blade Adjustment lever side to side (see Assembly Drawing on page 5).

**FIGURE 1**



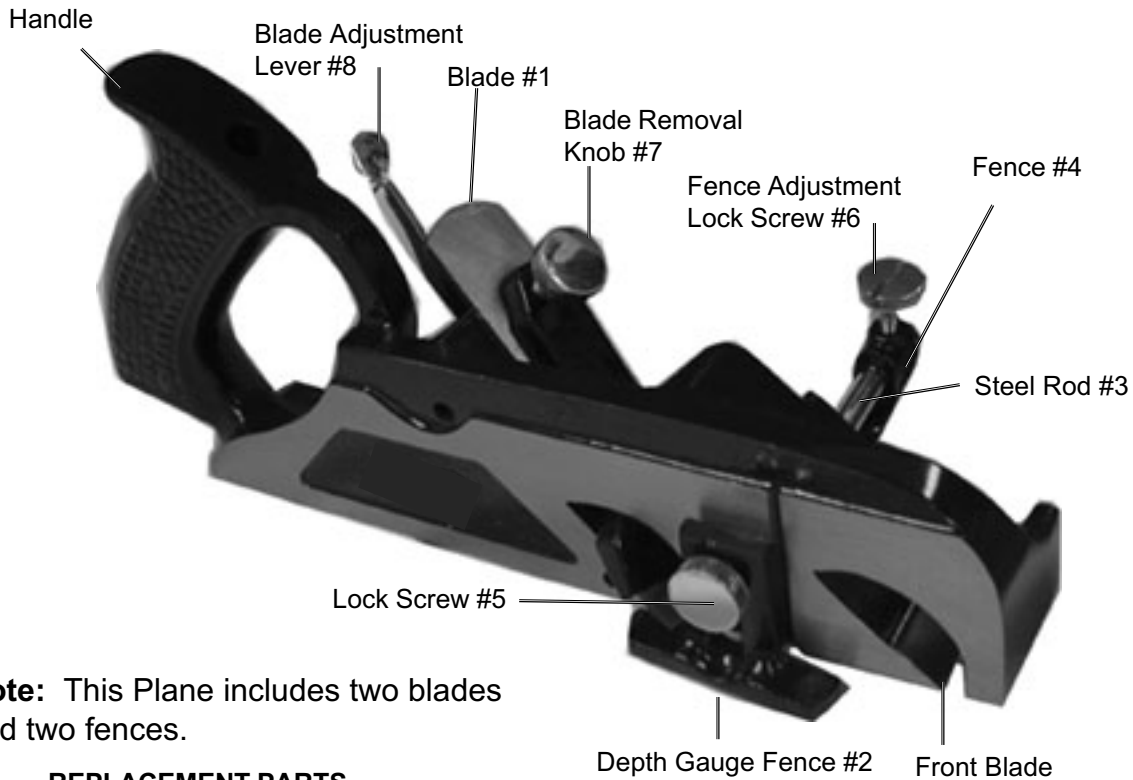
3. There are two fences. To adjust the Depth Gauge Fence, loosen the Lock Screw and move the Fence up or down to determine the depth you cut into the wood (see Assembly Drawing on page 5). To assemble the Fence located on the left side of the tool, first thread on the Steel Rod into the left side of tool's housing. The Fence slides over the end of the Steel Rod and is locked in place by the Fence Adjustment knob. To adjust this Fence (determines width of cutting area), loosen the Fence Adjuster knob and move the Fence either closer or further from the body of the Planer. With the Fence in the desired position, secure it in place by tightening the Fence Adjuster knob.

4. Make sure the workpiece is securely fastened down.

**Note:** If you are using the front blade for bullnosing (See Assembly Drawing on page 5), make sure the rear blade is adjusted up so it doesn't contact the workpiece.

5. Do not force the Plane or press down on it. Move it forward, taking off a little wood at a time. If the Plane does not move forward easily, retract the Blade more as explained in step 2 above.

## Assembly Drawing



**Note:** This Plane includes two blades and two fences.

### **REPLACEMENT PARTS**

#1	Blade
#2	Depth Gauge Fence
#3	Steel Rod
#4	Fence
#5	Lock Screw
#6	Fence Adjustment Lock Screw
#7	Blade Removal Knob
#8	Blade Adjustment Lever

## Maintenance

1. Keep the Blades sharp and clean.
2. Do not allow wood residue to build up on the blades.
3. Wipe the Plane down with a lint free cloth regularly.

### **PLEASE READ THE FOLLOWING CAREFULLY**

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

**NOTE:** Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.